

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070403

Delivery Order #:06

Date: 4-03-2007

Weather: Mostly Sunny

Temp. (max & min): 54 - 74

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) DK (TN&A) on site at 0700 hours. Security was onsite. CLEVECO personnel on site at 0700 hours. MP on site at 1145 hours. Tailgate safety meeting was review and emphasis of the need for head and eye protection inside TC area and on the project site.
- 2) Hector Cervantes (TN&A) on site. Worked with Dave Allen in ERH area with injections and also assisted with installation of temporary GW carbon treatment system that was placed in TC near the south side of plant adjacent to T-403/T-404.
- 3) Jacob & Hefner crew on site in the AM to run brief pressure and bubble test on T-101. Left site before MP arrived.
- 4) Dave Allen and Hector Cervantes worked in ERH area on EISB pilot study. Injections in MW-27-70.
- 5) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

7:00 AM ~ 3:00 PM (1/2 hour lunch)

(1 technician and 1 Superintendent)

Equipment: F-350, Hand tools

1. Alvaro worked Dave Klein and Ken Clevenger on reinforcement of the PVC waterline associated to the caustic tank.
2. Worked on temporary GW treatment system with Dave Allen.

Work performed today by ERM and subcontractors on site and/or off site:

ERM and J&H onsite. Tailgate safety meeting at 0730 hours with crews. Safety topic today was proper PPE.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Environmental Remediation, Inc. (ERM) 07:00 AM ~ 09:00 AM
(1 technician)

Jesse Hottenstein on site at 0700 hours. Supervised J&H inside TC Building.

Jacob & Heffner (J&H) 7:00 AM ~ 09:00 AM (2 technicians)

Crew worked inside the TC Building. Completed installation of new moisture separator (T-101) and associated piping. Installed blind flange on the FTO for the vapor systems check to be conducted tomorrow.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. To be tested during GW startup on 4/4/07.

3/27/07 Replacement T-101 did not pass field pressure test today at 6 psi applied pressure. Leaks observed at 2" nipple welded to side of tank. Pressure testing will be completed on 4/4/07.

3/29/07 and 3/30/07 ERM contracted with Prima (welding subcontractor) to make repairs to leaks and to add stainless steel angles for structural support. Pressure testing will be completed on 4/4/07.

Foreseeable Issues

Delays to schedule for FTO startup.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070404

Delivery Order #:06

Date: 4-04-2007

Weather: Partly Cloudy
Hazy

Temp. (max & min): 55 - 74

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) John Wingate (TN&A) on site at 0650 hours. MP on site at 0700 hours. Security was onsite. Tailgate safety meeting was review of groundwater treatment system startup procedures and AHA's with John Parkes and Mark Williams (Jacob & Hefner), Rick Lainhart (USACE), John Wingate, Jesse Hottenstein (ERM), and Rosie Caraway (EPA).
- 2) Hector Cervantes and Dave Allen working in ERH area with EISB pilot study. Crew worked on injecting at MW-27-70 with average rate of 3 gpm.
- 3) Jeff Fujita met with Sage Surveying at 0700 hours. Sage surveying two man crew on site today (Dan Walsh) to work for TRS surveying locations in ERH area.
- 4) 0650 ERM was pressure and bubble testing T-101 at 2 psi. Inspected test.
- 5) 0800 MP ordered parts from Harrington Supply for silencers for dilution valves.
- 6) 0845 hours ERM was instructed by TN&A and USACE to perform pressure testing on T-101 at 5 psi. Jacob & Hefner crew pressurized T-101 to 5 psi for one hour.
- 7) 0900 hours Danny Chen (TN&A) and Rosie Caraway (EPA) on site for carbon modes testing/PLC acceptance testing.
- 8) 0930 to 1200 hours TN&A, USACE, ERM, J&H and EPA conducted safety meeting and review of GW startup procedures. Started GW system and simulated errors. Carbon mode testing for PLC acceptance was the goal today. Per 4 April 2007 PLC Acceptance Testing document provided by JW/RM the following items were not completed. (2, 12, 16, 17, 19, 20, and 26 through 30). Total water processed from exposition wells according to 2" flow totalizer FQI- 201 was 10,050 gallons water.
- 9) 1430 hours to 1700 hours carbon mode testing with vapor system in operation was performed. Wells on line in system VE-2 were used to draw vacuum. Initial problems during start up of vapor system in carbon mode was with high temperature alarms resulting in liquid ring blowers (B-101 and B-102) shutting down. Mike Ebner, (PLC programmer Aspect Engineering) was contacted. Mike took over operation of PLC remotely, made adjustments to programming. B-101 and B-102 were then able to be operated for a period of about 2 hours. During this time MP and JW took system wide vacuum gauge and temperature gauge readings. JW measured flow rate at VE-2 line at manifold with pitot tube.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

- 10) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Work performed today by ERM and subcontractors on site and/or off site:

ERM and J&H onsite. Tailgate safety meeting at 0730 hours with crews. Safety topic today was slips, trips, and falls.

**Environmental Remediation, Inc. (ERM) 07:00 AM ~ 05:00 PM
(1 technician)**

Jesse Hottenstein on site at 0700 hours. Supervised J&H inside TC Building.

Jacob & Heffner (J&H) 7:00 AM ~ 05:00 PM (2 technicians)

Crew worked inside the TC Building. Performed PLC acceptance testing on both groundwater and vapor treatment systems. Ran both systems in carbon mode through all piping, tanks, pumps, etc. and checked all alarms. TN&A, ACE, and EPA were all present during testing. See PLC acceptance form for further details (dated 4 April 2007).

ERM Quality Assurance/Quality Control Notes:

During PLC acceptance testing, an alarm was triggered upon restart of the vapor system. The alarm was the overheat alarm on heat exchanger H-202, which would shut the system down unless manually overridden by blowing cool air into the heat exchange using the blowers.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup, small leak still visible.

3/27/07 Replacement T-101 did not pass field pressure test today at 6 psi applied pressure. Leaks observed at 2" nipple welded to side of tank. Pressure/bubble testing was successful at 5 psi today.

3/29/07 and 3/30/07 ERM contracted with Prima (welding subcontractor) to make repairs to leaks and to add stainless steel angles for structural support. Pressure/bubble testing was successful at 5 psi today.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07.

Foreseeable Issues

Delays to schedule for FTO startup.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

| RAPID RESPONSE QUALITY CONTROL DAILY REPORT | | |
|--|----------------------------|--------------------|
| Contractor's Name: T N & Associates | | |
| Contract Number: DACA45-00-D-0006 | | |
| Site Name & Location: Pemaco; Maywood, CA | | |
| <p style="text-align: center;">INSTRUCTIONS</p> <p>The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.</p> | | |
| Report #: 20070405 | Delivery Order #:06 | Date: 4-05-2007 |
| Weather: Mostly Cloudy | Temp. (max & min): 58 - 73 | Rainfall (in): .00 |
| <p>1. Work performed today by primary contractor on site and/or off site:</p> <ol style="list-style-type: none"> 1) MP (TN&A) on site at 0650 hours. Security was onsite. No subcontractor onsite to perform tasks today. Tailgate safety meeting was review and emphasis of the need for head and eye protection inside TC area and on the project site. 2) Hector Cervantes (TN&A) on site. Worked with Dave Allen and MP and assisted with operating temporary GW carbon treatment system that was placed in TC near the south side of plant adjacent to T-403/T-404. Pumped groundwater from DA/DB-4 and DA/DB-5 to the temporary carbon system. When water level in T-401 booster tank reached high-high level, V-407 actuator valve turned off automatically, and groundwater leaked from V-404 ball valve on GW-2 manifold and V-405 check valve on GW-3 manifold. Dave Allen turned off the well pumps and pumped water out of T-401 to the sewer (post GAC treatment). The leak stopped when well pumps shut off. Need to check V-404 and V-405 valves tomorrow. 3) Rose Marie Caraway (EPA) onsite at 0900 hours and left at 1200 hours. 4) MP left site at 1230 hours for dentist appointment. Danny Chen onsite to oversee the site for MP and work on building as-built measurement. 5) Dave Klein onsite at 0830 hours to return fittings stored in the trailer to Harrington for credit. Moved rest of fittings and tools into the TC building. Put investigation tags on fire extinguishers and other H&S items inside the building. 6) 1100 hours to 1200 hours teleconference meeting. Participants included representatives from EPA (Rosie Caraway on site, TN&A (Tim Garvey and John Wingate on phone, Mark Prostko on site), ERM (Rudy Millan on phone). Items discussed and results were: <ol style="list-style-type: none"> 1. TN&A provided and reviewed an updated 3 week look ahead schedule. 2. PLC work was incomplete for Acceptance Test held on previous day. USACE and EPA comments were provided to ERM and more work was requested. A list of PLC work items were provided to ERM via email, with the USACE and EPA copied. ERM was requested to remedy the PLC items and reschedule the PLC Acceptance Test for the proposed date of Tuesday 4/10/07. The date is to be determined as Rudy Millan indicated he must coordinate the schedules of everyone involved. Refer to #5 below for additional PLC notes. 3. TG stated that ERM must be ready by 4/23/07 for FTO startup and training or they will face liquidated damages. <p>No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer.</p> | | |

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

No work performed by Clevenger today.

Work performed today by ERM and subcontractors on site and/or off site:

No work performed by ERM and subcontractors today.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup, small leak still visible.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07.

Other PLC Acceptance Test Comments from 4/4/07

PLC Acceptance Test did not accomplish Carbon Mode Testing Items: 12, 16, 17, 26 through 30; and FTO Mode Testing 1 through 7 by the close of business. Alarms repeated more than once were, for the most part, not intentionally tripped and resulted in delay of PLC Acceptance.

P-502 sump pump can't pump water. Tape was pulled from the intake, clean sump before replacing pump.

System shut down due to alarm condition from FS-202 not resolved; Example: 4/4/2007 7:01:33 FS-202 Process Heater Low Air Flow (refer to attached alarm history). The solution to the FS-202 alarm is to have PLC start B-301 prior to B-101 and B-101, get the VC Package operating and stable prior to starting B-101 and B-102.

VFD for B-301 was tuned considerably during the day and needs some work so that operator doesn't have to babysit the % engaged. The latest Tetrasolve drawing shows the new tank T-101 is rated for 3 psi.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

The pressure relief valve is set for 6 psi. ERM needs to provide a valve to match the new tank. Support T-101 effluent pipe. It juts into walkway and may be broken if stepped on. 2" PVC strainer for P-501 leaks. This and any other leaks can be repaired as part of 30-day shakedown. Time clock in the electrical room does not appear to work. Override mode is continually used. Check light sensor. Demonstrate proper operation and eliminate the use of the override switch if operating properly.

Delays to schedule for FTO startup.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070406

Delivery Order #:06

Date: 4-06-2007

Weather: Mostly Cloudy

Temp. (max & min): 58 - 67

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0700 hours. Security was onsite. ERM, Jacob & Hefner and CLEVECO on site. Tailgate safety meeting was about using hearing protection inside TC today. The liquid ring blowers will be running most of the day.
- 2) 0700 hours to 1330 hours Hector Cervantes (TN&A) on site. Worked with Dave Allen and MP. Assisted with operating temporary GW carbon treatment system that was placed in TC near the south side of plant adjacent to T-403/T-404. Pumped groundwater from DA-4 and DA/DB-5 through the temporary carbon system and to the sewer. Set up system to pump continuously throughout the weekend. Flow rate for DA-4, DA-5 and DB-5 is set at ~ 4.7 gpm.
- 3) 0800 hours to 1530 hours MP worked with CLEVECO and directed them to install air silencer for V-319, made repairs to leaks at sample box discharge piping. Spent afternoon throwing out wooden pallets, organizing spare PVC pipe and fittings spread around the site.
- 4) ERM and Jacob & Hefner crew ran carbon mode Vapor and GW systems from ~0900 hours to end of day at approximately 1700 hours.
- 5) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:**Clevenger Construction, Inc.(General subcontractor)****7:00 AM ~ 3:30 PM (1/2 hour lunch)****(1 technician and 1 Superintendent)****Equipment: F-350, Hand tools**

1. Alvaro repaired leak at saddle on 3" PVC discharge line at sample box south side of TC.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

2. Alvaro and Ken Clevenger worked on installation of the air silencer for V-319. Air silencer was installed with unistrut supports.
3. Alvaro worked on site cleanup throwing out all wooden pallets on site, organized PVC pipe and fittings spread all over the site, discarded all empty cardboard containers (empty QED pump boxes and other boxes), etc.
4. Pumped one (1) 55 gallon drum of water to T-401 that Dave Allen generated in ERH area a few weeks ago from one of the wells.

Work performed today by ERM and subcontractors on site and/or off site:

ERM and J&H onsite. Tailgate safety meeting at 0730 hours with crews.

**Environmental Remediation, Inc. (ERM) 07:00 AM ~ 05:00 PM
(1 technician)**

Jesse Hottenstein on site at 0700 hours. Supervised J&H inside TC Building.

Jacob & Heffner (J&H) 7:00 AM ~ 05:15 PM (2 technicians)

Crew worked inside the TC Building.

- a. Investigated and resolved secondary containment sump pump failure. Trash was found clogging check valve. Installed secondary filter screen and around sump pump.
- b. Conducted alarm test for #12 (on PLC acceptance test) K-601 air compressor-closed V-605 and alarm engaged.
- c. Conducted PI-401 alarm test #16. Closed off V-416 to activate alarm First warning, then system shut down.
- d. Conducted PI-403 alarm test #17. Closed off V-429 to activate alarm.
- e. First warning, then system shut down.
- f. Conducted FS-202 Alarm test #26. Closed down V-109 & V-112 to activate alarm.
- g. Conducted FS-201 Alarm test #27. Closed down V-217 to activate alarm and shut down chiller RC-201.
- h. Conducted reading comparison of plant and PLC readings. Made range adjustments via Mike Ebner- Aspect Engineering.
- i. Conducted FTO check #1. 1/4080 open, 1/4100 open, 2610/2611 closed, 2630/2631 closed.
- j. Started system in FTO mode and conducted FTO check #3. 1/4080 closed.
- k. Conducted FTO check #4 once chiller is on. 1/4100 closed.
- l. Conducted FTO check #5. Placed jumper wire between 2610&2611. PLC verified signal and both LRB's pumps came on.
- m. Re-conducted alarms (various) checks as requested by Rudy Millan.
- n. Mike Ebner conducted system tuning and adjustment and supported his efforts.
- o. Extended hours required to complete all checks, adjustments, re-checks, and system tuning as requested by Rudy Millan.

ERM Quality Assurance/Quality Control Notes:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup, small leak still visible.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07.

Other PLC Acceptance Test Comments from 4/4/07

PLC Acceptance Test did not accomplish Carbon Mode Testing Items: 12, 16, 17, 26 through 30; and FTO Mode Testing 1 through 7 by the close of business. Alarms repeated more than once were, for the most part, not intentionally tripped and resulted in delay of PLC Acceptance.

P-502 sump pump can't pump water. Tape was pulled from the intake, clean sump before replacing pump.

System shut down due to alarm condition from FS-202 not resolved; Example: 4/4/2007 7:01:33 FS-202 Process Heater Low Air Flow (refer to attached alarm history). The solution to the FS-202 alarm is to have PLC start B-301 prior to B-101 and B-101, get the VC Package operating and stable prior to starting B-101 and B-102.

VFD for B-301 was tuned considerably during the day and needs some work so that operator doesn't have to babysit the % engaged. The latest Tetrasolve drawing shows the new tank T-101 is rated for 3 psi.

The pressure relief valve is set for 6 psi. ERM needs to provide a valve to match the new tank. Support T-101 effluent pipe. It juts into walkway and may be broken if stepped on. 2" PVC strainer for P-501 leaks. This and any other leaks can be repaired as part of 30-day shakedown.

Time clock in the electrical room does not appear to work. Override mode is continually used. Check light sensor. Demonstrate proper operation and eliminate the use of the override switch if operating properly.

Note: PLC acceptance walk through is scheduled for Tuesday 4/10/07 to address/verify that all of the above problems have been solved.

4/6/07 P-502 (Sump pump) was repaired. Styrofoam peanuts (packing material) were found in the discharge line.

4/6/07 Piping and connection for P-501 near the bottom of T-101 was broken. ERM will repair Monday 4/9/07.

4/6/07 DA-12 air regulator leaking air. Problem was debris in regulator. Regulator cleaned problem is solved.

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Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070409

Delivery Order #:06

Date: 4-09-2007

Weather: Partly Cloudy

Temp. (max & min): 55 - 67

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0700 hours. Security was onsite. ERM, Jacob & Hefner and CLEVECO on site. Tailgate safety meeting was the need for housekeeping. MP and Hector Cervantes spent good portion of the day cleaning up the TC Building inside and outside.
- 2) 0700 hours to 1330 hours Hector Cervantes (TN&A) on site. Worked with Dave Allen and MP. Reorganized all materials on mezzanine and cleaned up inside and outside of TC.
- 3) 0800 hours to 1530 hours MP worked with CLEVECO and directed them to install air silencer for V-112. CLEVECO also installed pressure switch for FTO discharge line.
- 4) Jess Hottenstein met with MP at 0800 hours. Jess left site at ~ 0900 hours.
- 5) Jacob & Hefner crew replaced piping at P-501 then left site at approximately 0900 hours.
- 6) 0700 to 1300 hours Dave Allen continued work in EISB area today with injections of sodium lactate solution in MW-27-90.
- 7) Wells DA-4, DA-5 and DB-5 continue to be pumped through the temporary carbon system. Totalizer reading end of day for the temporary system is 746330. Flow rate ~ 3.57 gpm.
- 8) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

7:00 AM ~ 3:30 PM (1/2 hour lunch)

(1 technician)

9:30 AM ~ 3:30 PM

(1 Superintendent)

Equipment: F-350, Hand tools

1. Alvaro worked on installation of silencer for V-112, including cutting and fabricating supports from unistrut.
2. Ken Clevenger and Alvaro installed the Omega pressure switch on FTO CPVC piping discharge line.
3. Continued with removal of unwanted scrap pipe, broken fittings, pallets, wood, trash, etc.

Work performed today by ERM and subcontractors on site and/or off site:

ERM and J&H onsite. Tailgate safety meeting at 0700 hours with crew. Safety topic today was housekeeping.

Environmental Remediation, Inc. (ERM) 07:00 AM ~ 09:30 PM

(1 technician)

Jesse Hottenstein on site at 0700 hours. Supervised J&H inside TC Building.

Jacob & Heffner (J&H) 6:50 AM ~ 09:00 PM (2 technicians)

Crew worked inside the TC Building. Made repairs to discharge piping for P-501 which was observed as leaking Friday 4/6/07.

ERM Quality Assurance/Quality Control Notes:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup, small leak still visible.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07.

Other PLC Acceptance Test Comments from 4/4/07

PLC Acceptance Test did not accomplish Carbon Mode Testing Items: 12, 16, 17, 26 through 30; and FTO Mode Testing 1 through 7 by the close of business. Alarms repeated more than once were, for the most part, not intentionally tripped and resulted in delay of PLC Acceptance.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

P-502 sump pump can't pump water. Tape was pulled from the intake, clean sump before replacing pump.

System shut down due to alarm condition from FS-202 not resolved; Example: 4/4/2007 7:01:33 FS-202 Process Heater Low Air Flow (refer to attached alarm history). The solution to the FS-202 alarm is to have PLC start B-301 prior to B-101 and B-101, get the VC Package operating and stable prior to starting B-101 and B-102.

VFD for B-301 was tuned considerably during the day and needs some work so that operator doesn't have to babysit the % engaged. The latest Tetrasolve drawing shows the new tank T-101 is rated for 3 psi.

The pressure relief valve is set for 6 psi. ERM needs to provide a valve to match the new tank. Support T-101 effluent pipe. It juts into walkway and may be broken if stepped on. 2" PVC strainer for P-501 leaks. This and any other leaks can be repaired as part of 30-day shakedown.

Time clock in the electrical room does not appear to work. Override mode is continually used. Check light sensor. Demonstrate proper operation and eliminate the use of the override switch if operating properly.

Note: PLC acceptance walk through is scheduled for Tuesday 4/10/07 to address/verify that all of the above problems have been solved.

4/6/07 P-502 (Sump pump) was repaired. Styrofoam peanuts (packing material) were found in the discharge line.

4/6/07 Piping and connection for P-501 near the bottom of T-101 was broken. ERM/J&H made repairs today, Monday 4/9/07.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070410

Delivery Order #:06

Date: 4-10-2007

Weather: Mostly Sunny

Temp. (max & min): 60 - 75

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0650 hours. Security was onsite. ERM, Jacob & Hefner and CLEVECO on site. Tailgate safety meeting was Jacob & Hefner AHA's for GW and carbon mode startup.
- 2) 0800 hours to 1330 hours Rosie Caraway (EPA), Rick Lainhart (USACE), MP and John Wingate (TN&A), John Parkes and Mark Williams (J&H) and Jesse H (ERM) conducted a PLC acceptance run up of both the GW and carbon mode systems.
- 3) 0700 to 1500 hours Dave Allen continued work in EISB area today with injections of sodium lactate/sodium bromide solution in MW-27-90 at ~5 gpm.
- 4) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

7:00 AM ~ 2:30 PM (1/2 hour lunch)

(1 technician)

9:30 AM ~ 2:30 PM

(1 Superintendent)

Equipment: F-350, Hand tools

1. Ken Clevenger and Alvaro installed the unistrut and support clamps for the air silencer for V-112. Met with Rick Lainhart, MP and JW to discuss plans for grading the site, installing stone and geotextile (Geotextile is already on site and was previously purchased by TN&A in 2005).

Work performed today by ERM and subcontractors on site and/or off site:

ERM and J&H onsite performing PLC acceptance testing.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

**Environmental Remediation, Inc. (ERM) 07:00 AM ~ 2:00 PM
(1 technician)**

Jesse Hottenstein on site at 0700 hours. Supervised J&H inside TC Building during the PLC Acceptance run-up.

Jacob & Heffner (J&H) 6:50 AM ~ 02:00 PM (2 technicians)

Crew worked inside the TC Building performing PLC acceptance testing as per the attached April 10 document provided by ERM.

ERM Quality Assurance/Quality Control Notes:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07:

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070411

Delivery Order #:06

Date: 4-11-2007

Weather: Partly Sunny

Temp. (max & min): 60 - 73

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0650 hours. Security was onsite.
- 2) 0700 Hector Cervantes (TN&A) and Dave Allen (TN&A) on site. Alavaro on site to finish with painting the area beneath V-112 dilution valve and clean up inside TC.
- 3) 0700 to 1600 hours Dave Allen continued work in EISB area today with injections of sodium lactate/sodium bromide solution in MW-27-90 at ~5 gpm. Wells DA-5, DB-5 pumping through the temporary carbon treatment system inside TC. Totalizer reading 0800 hours 151906. Flow rate ~ 4.97 gpm.
- 4) 0900 to 1500 MP and Hector worked on troubleshooting wells DA-4 and DB-5. Hector found a defective 3/4" ABS ball valve on the airline inside vault at DA-4. Also discovered air in GW discharge lines at both DA-4 and DB-5 vaults. MP obtained water level readings in both wells. Unbolted flange and discharge piping at DA-4. Replaced 3/4" ABS tru-union ball valve at DA-4 with new valve. Prepared to pull pump on Thursday. MP called and spoke to Bruce Killion (QED) about air problems in discharge lines at DA-4 and DB-5. Bruce advised us to meet him on site Thursday AM 4/12/07 and together we would troubleshoot both wells/pumps.
- 5) 1200 hours to 1230 hours Rosie Caraway and Alheli Banos (EPA) on site for brief visit.
- 6) 1500 to 1600 hours Dave, Hector and MP going over the plans for working on wells DA-4 and DB-5 on Thursday as well as injection plans for EISB study.
- 7) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)
7:00 AM ~ 12:00 PM (No lunch)
(1 technician)

1. Alvaro worked on painting the area under the dilution valve V-112 with safety yellow paint and also cleaned up the entire floor area of the TC with the shop vac.

Work performed today by ERM and subcontractors on site and/or off site:
No work by ERM and J&H today.

ERM Quality Assurance/Quality Control Notes:
None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again.

4/11/07 DA-4 not pumping and air is noticeable in GW discharge piping in vault. **TN&A/QED will troubleshoot Thursday 4/12/07.**

4/11/07 DB-5 is pumping however there is air noticeable in GW discharge piping in vault. **TN&A/QED will troubleshoot Thursday 4/12/07.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070412

Delivery Order #:06

Date: 4-12-2007

Weather: Mostly Sunny
Windy

Temp. (max & min): 60 - 71

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0700 hours. Security was onsite. Tailgate safety meeting today was a discussion with Dave and Hector about the problems working in the vaults with compressed airlines and fittings. Bleed off air in lines before taking them apart.
- 2) 0700 Hector Cervantes (TN&A) and Dave Allen (TN&A) on site.
- 3) 0730 Bruce Killion on site to meet with MP about DA-4 and DB-5.
- 4) 0700 to 1600 hours Dave Allen continued work in EISB area today with injections of sodium lactate/sodium bromide solution in MW-27-90 at ~5 gpm. Wells DA-5, DB-5 pumping through the temporary carbon treatment system inside TC. Totalizer reading 1400 hours 754029. Flow rate ~ 4.91 gpm. At the end of the day we put well DB-4 online through the temporary GAC treatment system.
- 5) 0700 to 1200 MP, Hector, and Bruce Killion (QED) worked on troubleshooting wells DA-4 and DB-5. Found well DA-4 was producing silt and mud. Only 36" of water column in this well. SL (Static water level) was 63'8" and total depth of well is 66'8". QED pump was removed. Will be taken out of service, thoroughly cleaned and reinstalled. We then removed the QED pump from DA-5, disassembled the pump and found that there was some small debris (grit or sand) that was binding up the magnetic seal for the air in/air out valve in the pump. The pump was cleaned out; adjustments were made to the poppet valve and magnetic device, tested out and reinstalled. The pump at DA-5 now pumps water without air.
- 6) 1200 to 1500 hours Dave and Hector setting up autosampler system inside the TC Building. Autosampler will be used to take GW samples on GW discharge line after GAC treatment.
- 7) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Work performed today by ERM and subcontractors on site and/or off site:

No work by ERM and J&H today.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again.

4/11/07 DA-4 not pumping and air is noticeable in GW discharge piping in vault. **4/12/07 Mud/silt in well and only 36" of available water. Pump removed will be cleaned and reset.**

4/11/07 DB-5 is pumping however there is air noticeable in GW discharge piping in vault. **4/12/07 TN&A/QED removed pump made adjustments, reinstalled. Works fine now.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070413

Delivery Order #:06

Date: 4-13-2007

Weather: Mostly Sunny

Temp. (max & min): 57 - 78

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0700 hours. Security was onsite. Tailgate safety meeting today was a discussion with Dave and Hector about general safety inside the TC area. Went over emergency procedures for temporary GAC treatment system for wells DA-5, DB-5 and DB-4 during weekend.
- 2) 0700 Hector Cervantes (TN&A) and Dave Allen (TN&A) on site.
- 3) CLEVECO on site to meet with MP about possible grading work. CLEVECO scheduling Jeffries Electrical for work to be completed next week.
- 4) 0700 to 1530 hours Dave Allen continued work in EISB area today with injections of sodium lactate/sodium bromide solution in MW-27-90 at ~5 gpm. Wells DA-5, DB-5 pumping through the temporary carbon treatment system inside TC. Totalizer reading 1400 hours 759274. Flow rate ~ 5.2 gpm. At the end of the day we put well DB-4 online through the temporary GAC treatment system. Tank T-401 was filling up faster than the two temporary sump pumps set up inside T-401 could process water through the temporary GAC treatment system. MP and Dave Allen lowered the air pressure at the TC Building feeding the wells.
- 5) 1330 hours Southern Cal Edison (SCE) stopped by the site to read meters at Riverfront Park (RP) metering cabinet.
- 6) 1400 hours Dave Allen and MP changed bag filters on temporary GAC filters and put all wells (DA-5, DB-5 and DB-4) on line for the weekend. Totalizer readings will be obtained through the weekend.
- 7) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Work performed today by ERM and subcontractors on site and/or off site:

No work by ERM and J&H today.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again.

4/11/07 DA-4 not pumping and air is noticeable in GW discharge piping in vault. **4/12/07 Mud/silt in well and only 36" of available water. Pump removed will be cleaned and reset.**

4/11/07 DB-5 is pumping however there is air noticeable in GW discharge piping in vault. **4/12/07 TN&A/QED removed pump made adjustments, reinstalled. Works fine now.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070416

Delivery Order #:06

Date: 4-16-2007

Weather: Mostly Cloudy

Temp. (max & min): 57 - 68

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0700 hours. Security was onsite. ERM and Tetrasolv on site. Tailgate safety meeting today was a discussion with Jesse Hottenstein about hot work and the need for a hot work permit. Provided a hot work permit to Jesse. Jesse completed and turned in. MP reviewed hot work permit, inspected area. No fire extinguisher near T-101. MP took fire extinguisher from wall and placed near T-101. Advised welder from Tetrasolv where extinguisher was.
- 2) 0730 Dave Allen (TN&A) on site. Changed bag filters at temporary GAC treatment skid. Put wells back on line. Note: Wells were turned off Sunday PM due to rising tank level T-401.
- 3) 0755 hours Dave Jeffries electrical crew on site to begin work on Omega pressure switch on FTO line.
- 4) 0830 to 1530 hours Dave Allen continued work in EISB area today with injections of sodium lactate/sodium bromide solution in MW-27-90. Wells DA-5, DB-5 pumping through the temporary carbon treatment system inside TC. Totalizer reading 0700 hours 777759. Flow rate ~ 4.0 gpm. DB-4 being used to provide water to mixing tanks being used in ERH area and EISB pilot study.
- 5) 1330 hours MP met with Tony from Jeffries Electrical to discuss wire installation to ERH area. Will meet on Tuesday 4/17/07 to go over details.
- 6) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Jeffries Electrical 7:55 AM ~3:30 PM (1 supervisor, 1 technicians)

Jeffries Electric crew worked on the following:

1. Crew is on site bending and installing conduit for Omega pressure switch.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Work performed today by ERM and subcontractors on site and/or off site:

ERM and Tetrasolv onsite. Tailgate safety meeting at 0700 hours with crew. Safety topic today was hot work permit requirements for cutting and welding.

**Environmental Remediation, Inc. (ERM) 07:00 AM ~ 4:00 PM
(1 Supervisor)**

Jesse Hottenstein on site at 0700 hours. Supervised Tetrasolv inside TC Building.

Tetrasolv 7:00 AM ~ 4:00 PM (1 technician)

Tetrasolv supervisor worked inside the TC Building. Unbolted piping and started to work on top of tank. Welded solid steel supports to both top and bottom of T-101. T-101 was removed from the TC in the PM in order to weld supports to the bottom of tank.

ERM Quality Assurance/Quality Control Notes:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again.

4/16/07 Brine tank for water filters is overflowing onto floor.

Problem needs to be evaluated and corrected.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070417

Delivery Order #:06

Date: 4-17-2007

Weather: Mostly Cloudy

Temp. (max & min): 57 - 68

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:
 - 1) MP (TN&A) on site at 0655 hours. Security was onsite. ERM and Tetrasolv on site at 0700 hours. Tailgate safety meeting today was the establishment of work zones inside the TC. Work inside TC includes electricians and also TN&A employees working with temporary GW GAC treatment system.
 - 2) 0700 Hector Cervantes (TN&A) on site to help Dave Allen with EISB work.
 - 3) Sage Consulting (Surveyors) with two man crew on site.
 - 4) 0730 Dave Allen (TN&A) on site.
 - 5) 0800 hours Dave Jeffries electrical crew on site. Worked until 1400 hours.
 - 6) 0830 to 1500 hours Dave Allen continued work in EISB area today with injections of sodium lactate/sodium bromide solution in MW-27-90. Pumped well DB-4 to mixing tanks and pumped wells DA/DB-5 through the temporary GAC treatment system. Totalizer reading 0745 hours 777615. At end of day turned wells off.
 - 7) 0830 MP, Jesse Hottenstein and Tetrasolv supervisor started up vapor system. Energized blowers B-101, B-102 and B-301. After system was running for approximately 10 minutes Jesse closed valve V-109 to simulate conditions of maximum vacuum on T-101 for a period of ~ 3 minutes. Reading on vacuum gauge on B-101 was 25 inches hg. There did not appear to be deflection on tank T-101 during this period. Jesse was advised to turn blowers off (by ERM).
 - 8) ~1000 hours Danny Busyra (CES working for TRS) arrived on site to resume work in ERH area on drip system installation. Danny left the site at ~1300 hours.
 - 9) 1145 hours Tony (Jeffries Electrical supervisor) arrived on site. Met with MP in trailer.
 - 10) 1150 hours Jesse obtained spare QED regulator from MP and replaced the leaking regulator at DA-12.
 - 11) 1230 to 1300 hours swept the entire floor of TC and picked up dust/dirt that had blown in last week during major wind storm. Washed floor down.
 - 12) Notes: There is a crew working on the fence on 60th street (Dave Mango's fence).
 - 13) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Jeffries Electrical 8:00 AM ~2:00 PM (1 supervisor, 2 technicians)

Jeffries Electric crew worked on the following:

1. Crew installed two (2) conduits from control room, overhead and along the northwestern wall of TC.
2. Tony met with MP and discussed plans for repairing the conduits that were broken off inside FTO panel and discussed location of conduits for ERH area.

Work performed today by ERM and subcontractors on site and/or off site:

ERM and Tetrasolv onsite. Tailgate safety meeting at 0700 hours with crew.

Environmental Remediation, Inc.(ERM) 07:00 AM ~ 1:00 PM

(1 Supervisor) and forklift

Jesse Hottenstein on site at 0700 hours. Supervised Tetrasolv inside TC Building.

Tetrasolv 7:00 AM ~ 10:00 AM (1 technician)

Tetrasolv supervisor worked inside the TC Building. ERM and Tetrasolv simulated vacuum conditions on T-101 with valve V-109 in closed position for three minutes.

ERM Quality Assurance/Quality Control Notes:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at _____ flange. During PM run-up of GW treatment system the leak _____ was not visible during 1.5 hours of operation. Was tested _____ during GW startup **4/10/07** did not see any leaks. Will leave _____ on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There _____ are other items from carbon mode testing/PLC acceptance _____ walk through (not completed) currently being identified _____ that are being reported on a list generated by John Wingate _____ to be provided 4/5/07. See below:

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. 4/17/07 DA-12 regulator was replaced with spare provided by TN&A.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070418

Delivery Order #:06

Date: 4-18-2007

Weather: Mostly Sunny
Windy

Temp. (max & min): 57 - 68

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0655 hours. Security was onsite. Jeffries Electrical crew on site. Tailgate safety meeting today was housekeeping and working outside during windy conditions. Dust blowing around on site to extent that electrician's focused on work in side TC. Electrical work in ERH area will commence Thursday when less winds are forecast.
- 2) 0700 Hector Cervantes (TN&A) on site to help Dave Allen with EISB work. Dave Allen will be on site later in the morning. Hector transferred sodium lactate from drums to mixing tank A.
- 3) 0930 hours MP contacting Mike Frazer (SCE) to arrange site meeting to discuss scheduling delivery of equipment for ERH area provided by SCE (metering cabinet and transformer) and to schedule removal of one (1) temporary utility pole not being used. (Pole #287510E)
- 4) 1030 Dave Allen (TN&A) on site.
- 5) 1030 to 1600 hours Dave Allen continued work in EISB area today with batching of sodium lactate/sodium bromide solution to be used for injections in MW-27-90. Pumped well DB-4 to mixing tanks and pumped wells DA/DB-5 through the temporary GAC treatment system. Totalizer reading 0745 hours 778677. No injections today. Dave Allen sampling in the afternoon.
- 6) 1100 hours Mike Frazer (SCE) called MP and scheduled site visit for Thursday 4/19/07 at 1100 hours.
- 7) 1245 hours Bruce Killion (QED) called MP and advised he would be on site Thursday with the pump for DA-4 well.
- 8) 1300 hours Dave Jeffries/MP decided to turn off main power inside plant so that electricians can complete all work internal to the plant relative to the Omega pressure switch and HOA for P-502. Power to PLC was interrupted. Power will be off for approximately 60 minutes.
- 9) 1445 Dave Jeffries and MP turned the main power to TC back on.
- 10) 1310 MP turned PC back on.
- 11) 1330 hours Dave Allen decided that wells DA/DB-5 and DB-4 would not be operating overnight.
- 12) Notes: There is a crew that continues to work on the fence on 60th street (City of Maywood fence).
- 13) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

| Area (Unit #) | Daily | |
|---------------------|-------------|-------------|
| | TWA (mg/m3) | Max (mg/m3) |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

3.
Subcontractors:

Jeffries Electrical 8:00 AM ~3:00 PM (1 supervisor, 2 technicians)

Jeffries Electric crew worked on the following:

1. Crew installed HOA switch for sump pump P-502.
2. Crew worked on installation of telephone and signal wires to ERH area through the 1" PVC conduit. Crew hand excavated and installed J-Box near north wall TC for termination of the 1" PVC line that runs from ERH area.
3. Crew mounted security lights on wall near mezzanine.
4. Crew repaired several broken conduits within the entrance to FTO panel.

Work performed today by ERM and subcontractors on site and/or off site:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A.

4/16/07 Brine tank for water filters is overflowing onto floor.
Problem needs to be evaluated and corrected.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

| RAPID RESPONSE QUALITY CONTROL DAILY REPORT | | |
|---|---------------------------|--------------------|
| Contractor's Name: T N & Associates | | |
| Contract Number: DACA45-00-D-0006 | | |
| Site Name & Location: Pemaco; Maywood, CA | | |
| <p style="text-align: center;">INSTRUCTIONS</p> <p>The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.</p> | | |
| Report #: 20070419 | Delivery Order #:06 | Date: 4-19-2007 |
| Weather: Mostly Sunny | Temp. (max & min): 55- 70 | Rainfall (in): .00 |
| <p>1. Work performed today by primary contractor on site and/or off site:</p> <ol style="list-style-type: none"> 1) MP (TN&A) on site at 0650 hours. Security was onsite. Jeffries Electrical crew on site. Tailgate safety meeting today communications amongst co-workers. All workers on site need to be aware of where each other are working, when they are working and what they are specifically working on. 2) 0700 Hector Cervantes (TN&A) on site to help Dave Allen with EISB work. 3) 0730 to 1600 hours Dave Allen continued work in EISB area today with injecting of sodium lactate/sodium bromide solution in MW-27-90. Pumped well DB-4 to mixing tanks and pumped wells DA/DB-5 through the temporary GAC treatment system. Totalizer reading 0825 hours 780119. 4) 0930 hours Bruce Killion (QED) on site with the refurbished pump for DA-4 well. Will install pump in DA-4 as soon as system is ready to be put on line. 5) 1040 hours Mike Frazer (SCE) on site to meet with John Wingate, MP and Rosie Caraway (EPA) to discuss scheduling delivery of SCE provided equipment (transformer and metering cabinet) for ERH area. 6) 1100 hours to 1200 hours teleconference meeting. Participants included representatives from EPA (Rosie Caraway and Alheli Banos on site, TN&A (Tim Garvey on phone, John Wingate and Mark Prostko on site), ERM (Rudy Millan on phone). Items discussed and results were: <ol style="list-style-type: none"> 1. TN&A provided and reviewed an updated 3 week look ahead schedule. 2. JW mentioned that TRS still must provide a date for the mobilization of the CPU for the ERH area. 3. MP advised that TRS was scheduled back on site 4/23/07 to continue with the installation of drip system and sensors for TMP's. Expect two to three weeks of work left for TRS. 4. JW mentioned that TN&A was reviewing the documentation for T-101 provided by Tetrasolv. 5. JW mentioned that FTO startup was still scheduled for 4/23/07. 6. Rudy Millan (RM) advised that caustic was scheduled for delivery Monday 4/23/07. 7. RM also mentioned that placards and spill kit for the caustic will be delivered on Monday 4/23/07. 8. JW mentioned that the source testing would begin at the earliest 5/10/07, depending on the progress and outcome of the FTO startup next week. 9. Tim Garvey (TG) mentioned that the O/M plan final version is delayed. 10. RM commented about the O/M plan and said that he would be providing comments/additional information about the O/M manual. RM stated he was putting together index sheets for as-built drawings. | | |

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

11. MP and JW advised that site grading would begin at the end of next week or on 4/30/07. Work would take approximately 5 days.
 12. JW advised that the fence installation would start after grading was completed.
 13. JW mentioned that he was reviewing security/perimeter alarm proposals.
 14. JW advised that a second noise test will be conducted next week sometime during the latter part of the week while the FTO is running. A baseline noise test was conducted last week and data has been provided to Rosie (EPA).
 15. JW advised that the MPE system would be started on Wednesday 4/25/07.
 16. MP/JW/RM discussed the brine tank that was leaking. Per RM this will be further addressed by Ed Tung.
- 7) 1300 to 1630 on site with RC and AB. Left site at 1630 hours.
 - 8) 1500 hours Rosie and Mike Frazer (SCE) spoke on the trailer phone about invoicing pertaining to the transformer and metering cabinet required in ERH area.
 - 9) Notes: There is a crew that continues to work on the fence on 60th street (City of Maywood fence).
 - 10) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

3.
Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

8:30 AM ~ 12:30 PM (1/2 hour lunch)

(1 Superintendent)

Equipment: F-350, Hand tools

1. Ken on site to install the 8" fiberglass damper on the FTO discharge line. Cut 8" CPVC and installed fiberglass damper with two (2) 8" CPVC Van Stone flanges.
2. Took measurements for the exposed gas line on east side of TC. Will prefabricate something to protect the pipe from foot traffic and trip hazard. Will install Monday 4/23/07.

Jeffries Electrical 7:00 AM ~12:30 PM (2 supervisors, 2 technicians) Equipment:

Two (2) support trucks, Hand tools

Jeffries Electric crew worked on the following:

1. Crew worked on installation of the telephone wires between the J-Box located at the northwestern corner of TC and ERH area stub-up.
2. Crew completed the installation of the two (2) emergency light fixtures installed inside the TC on the mezzanine level.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

3. Crew labeled the landing terminals for the FTO/MCP and MCP/ERH interfaces.

Work performed today by ERM and subcontractors on site and/or off site:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A. To be re-tested 4/23/07.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070420

Delivery Order #:06

Date: 4-20-2007

Weather: Heavy Rain

Temp. (max & min): 55- 60

Rainfall (in): .50

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0700 hours. Security was onsite. Jacob & Hefner on site to advise TN&A that T-901 will be required to be emptied prior to Monday to prepare for arrival of sodium hydroxide. Tailgate safety meeting today with Hector and Dave Allen.
- 2) 0700 Hector Cervantes (TN&A) on site to help Dave Allen with EISB work.
- 3) 0730 to 1200 hours Dave Allen continued work in EISB area today with preparing solution for injecting of sodium lactate/sodium bromide solution in MW-27-90. Pumped well DB-4 to mixing tanks and pumped wells DA/DB-5 through the temporary GAC treatment system. Totalizer reading 0820 hours 782031.
- 4) 0800 to 1330 hours MP and Hector set up sump pumps within T-901 to pump out the potable water that was in the tank. Pumped water most of day to the sump in TC.
- 5) 0900 hours MP noticed that P-502 would not work on hand using the HOA switch. Contacted CLEVECO/Dave Jeffries. Dave Jeffries stopped at the site to troubleshoot problem.
- 6) 1200 to 1230 hours Rosie Caraway (EPA) visited the site. Rosie reviewed manifests for five (5) soil drums from drilling activities to be removed next week (Thursday 4/26/07).
- 7) 1400 hours Hector and MP turned off all wells (per Ewelina M.) that were pumping to the temporary GAC system and secured the site for the weekend.
- 8) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Jeffries Electrical 9:30 AM ~11:30 AM (1 supervisor) Equipment: One (1) support truck, Hand tools

Jeffries Electric (Dave Jeffries) worked on the following:

1. Worked on troubleshooting why P-502 would not run. After isolating all electrical circuits and testing the pump in both hand and automatic modes determined that the problem was likely with P-502 or the discharge line immediately attached (clog in line). Will investigate on Monday 4/23/07.

Work performed today by ERM and subcontractors on site and/or off site:

None

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A. To be re-tested 4/23/07.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

4/20/07 P-502 would not run in Hand or Auto modes. PLC seems to be fine. Will investigate Monday AM 4/23/07.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Protko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070423

Delivery Order #:06

Date: 4-23-2007

Weather: Mostly Sunny

Temp. (max & min): 52- 69

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0700 hours. Security was onsite. ERM and Jacob & Hefner on site. Safety meeting today was review of AHA's associated with the GW system startup.
- 2) 0700 Hector Cervantes (TN&A) on site.
- 3) 0700 to 0830 hours Jacob & Hefner crew switched out bag filters at F-401/F-402 and F-403/F-404. Installed 10 micron bag filters in all four filters. Tried using a 1 micron bag filter for a test this morning. The 1 micron bag filter clogged up after a short period of time.
- 4) 0800 to 0900 hours caustic (sodium hydroxide) was delivered and pumped into T-901. ERM installed a PVC fill line on T-901.
- 5) ~0830 Jacob & Hefner started up the GW system and all exposition wells (except well DA-4). Exposition well system is producing about 30 gpm.
- 6) 0830 hours Hector began disassembling the temporary GW treatment system that was used for the EISB Pilot study and injection work.
- 7) 0845 to ~1800 hours Bob (Anguil) on site testing out the FTO panel and inspecting FTO unit piping, wiring, etc.
- 8) Paul Bianco (TRS) and assistant George (TRS) on site at 1345 hours.
- 9) 1800 hours John Wingate changed out the bag filters (2nd time today) for F-401 (10 micron filters).
- 10) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

3.

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

8:30 AM ~ 11:00 AM (1/2 hour lunch)

(1 Superintendent)

Equipment: F-350, Hand tools

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

1. Ken on site to install a wooden box over the gas line inside the TC adjacent to the east wall.

Work performed today by ERM and subcontractors on site and/or off site:

Jacob and Hefner provided two-man crew (Mark Williams and John Parkes) and started up GW treatment system and all exposition wells with the exception of DA-4.

1. Crew inspected all 32 exposition well vault locations for leaks, proper functioning of pumps and any other problems. Checked each vapor sample port to make sure they were open to exhaust trapped air vented from pumps. All air regulators were checked and set at 60 psi.
2. Subcontractor for J&H installs fill port on T-901. Tank is filled with 400 gallons of 25% sodium hydroxide and 10% sodium thiosulfate.
3. 1110 hours collected first round of system data.
4. Collected first round of system data.
5. Bag filters are set up as follows: F-401 (10 micron), F-402 (25 micron), F-403 (10 micron), F-404 (10 micron), F-501/F-502 (10 micron).
6. 1345 collected second round of system data.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A. To be re-tested 4/23/07. **4/23/07 GW system and exposition wells** were turned on today to begin the 30-day O/M period. DA-12 does not leak. Will check in AM 4/24/07.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

4/20/07 P-502 would not run in Hand or Auto modes. PLC seems to be fine. Investigated today 4/23/07. Ball check valve appears to be sticking.

4/23/07 K-601 (Air compressor) shuts off automatically and sometimes will not turn back on without manual assistance. J&H to troubleshoot.

4/23/07 Caustic Tank T-901 was indicating low level alarms
As there was only 400 gallons of caustic delivered by ERM.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070424

Delivery Order #:06

Date: 4-24-2007

Weather: Mostly Sunny

Temp. (max & min): 52- 75

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0655 hours. Security was onsite. ERM and Jacob & Hefner on site. Safety meeting today was the reemphasis of using proper PPE while handling the GW system and changing bag filters associated with the GW system.
- 2) 0700 hours to 1430 hours Hector Cervantes (TN&A) and Dave Allen on site. Working in the ERH area injecting sodium lactate/sodium bromide solution in MW-27-90.
- 3) 0700 hours Bob from Anguil on site to work on interface communications between PLC and FTO panel.
- 4) ~0730 hours Paul Bianco (TRS) and assistant George (TRS) on site.
- 5) ~0745 hours John Wingate on site.
- 6) ~0830 hours John Hartley (USACE) on site.
- 7) ~1000 hours Dave Allen enabled the 24 hour auto sampler at the discharge sample box for the GW system. Will run overnight and obtain composite 24 hr sample on Wednesday 4/25/07.
- 8) ~1330 hours MP called Mike Frazer (SCE) and left message then left site for OSHA physical. JW on site.
- 9) ~1400 hours Rosie Caraway (EPA) on site.
- 10) 1530 hours John Wingate changed out the bag filters (2nd time today) for F-401 (10 micron filters).
- 11) 1545 hours Rosie spoke with Mike Frazer (SCE) about paperwork issues (contract and invoice) for the metering cabinet and transformer needed for ERH area. SCE to bring contracts and invoice to the site Wednesday 4/25/07.
- 12) 1600 to 1920 hours JW, JH and RC remained on site to observe Anguil/Alzeta programming and GW system operation.
- 13) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

TRS (Subcontractor)

7:30 AM ~ 4:30 PM (1/2 hour lunch)

(1 Superintendent and 1 Technician)

Equipment: Hand tools

1. Paul and George continued with preparations and installation of drip system piping and installation of sensors in the TMP's in the ERH area.

EarthTech (Subcontractor)

0700 AM ~ 3:30 PM (1/2 hour lunch)

(1 Technician)

1. Installing oil return lines from F-103/F-104 de-misting filters to liquid ring pump B-101.
2. Installed magnehelic vacuum gauge on 8" CPVC FTO bypass line near the recently installed damper.
3. Installed drain lines from filters T-403/T-404 overhead and terminated at the floor sump grate.

Work performed today by ERM and subcontractors on site and/or off site:

Jacob and Hefner provided two-man crew (Mark Williams and John Parkes) and operated the GW treatment system/exposition wells with the exception of DA-4. (Day 2)

Summary

0600 hrs **GW system was in alarm.** E-Stop engaged & PT-401 high pressure on pump. Changed bag filters in T-403 10 micron bags.

0700 hrs collected first round of system data points.

0730 hrs John Wingate and MP meet with J&H and conduct tailgate meeting. Bag filters at F-401 were changed (10 micron x 4 bag filters).

0840 Detected high amount of water in vapor lines VE-4 and DPE-C. Opened valves for sump pumps turned on diaphragm pumps and removed water. Adjusted pump pressure from 60 psi to 40 psi.

0900 hrs collected second round of system data points. Mike Ebner has control of PLC from remote location. PLC screen has restricted access.

0930 hrs **Air Compressor K-601 failed to run- alarm #3 on compressor panel. Air compressor has 175 hrs run time. Restarted air compressor and GW system.**

1001 hrs **Air compressor failed to start during cycle alarm #3 again.** Alarm #3 indicates motor is running backwards. Restarted air compressor and GW system.

1006 hrs Found source of water in VE-4 line. DA-12 GW and vapor line piping inside the vault was switched. Corrected problem.

1012 **GW system in alarm VFD failure for P-402. This alarm has been noticed in the past. Continuing problem. Mike Ebner to troubleshoot.**

1019 hrs **Air compressor alarm. Reset alarm at compressor and restarted system.**

1055 hrs Began collected third round of system data points. Mike Ebner working with PLC programming preventing PLC data collection.

1143 hrs Mike Ebner calls site and advises he needs to shut the system down to download programming information.

1252 hrs Mike Ebner takes break to allow system to run and collection of fourth round of system parameters.

1315 hrs Mike Ebner resumes remote control of the PLC for the remainder of the day. JW (TN&A) to monitor the system until 1800 hours to check on bag filters.

1400 hrs end of shift. GW system was operational. F-401 bag filters back pressure is 4.0. Still very low/no real back pressure and should handle the sediments overnight.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A. To be re-tested 4/23/07. **4/23/07 GW system and exposition wells** were turned on today to begin the 30-day O/M period. DA-12 does not leak. Will check in AM 4/24/07.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

4/20/07 P-502 would not run in Hand or Auto modes. PLC seems to be fine. Investigated today 4/23/07. Ball check valve appears to be sticking.

4/23/07 K-601 (Air compressor) shuts off automatically and sometimes will not turn back on without manual assistance. J&H to troubleshoot.

4/23/07 Caustic Tank T-901 was indicating low level alarms
As there was only 400 gallons of caustic delivered by ERM.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070425

Delivery Order #:06

Date: 4-25-2007

Weather: Mostly Sunny

Temp. (max & min): 60- 81

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0645 hours. Security was onsite. ERM and Jacob & Hefner on site. Safety meeting today was establishment of safe work zones with upcoming grading work scheduled.
- 2) 0700 hours to 1530 hours Hector Cervantes (TN&A) and Dave Allen on site. Working in the ERH area injecting sodium lactate/sodium bromide solution in MW-27-90.
- 3) 0700 hours Bob from Anguil on site to work on interface communications between PLC and FTO panel.
- 4) ~0730 hours Paul Bianco (TRS) and assistant George (TRS) on site.
- 5) 0830 hours John Hartley (USACE) on site.
- 6) ~0845 hours John Wingate on site.
- 7) ~1000 hours Rosie Caraway (EPA) on site.
- 8) 0900 to 1700 hours JW, Mike Ebner (remote), Bob Lien (Anguil) and Dave Bartz (Alzeta) worked on interfacing between the FTO control panel and PLC. Brian Dean (Earth Tech) arrived and joined the group. JW went over the ERH area and TC systems with Brian Dean and the group.
- 9) 1030 hours to 1100 hours A-1 Electric met MP on site to go over solar panel equipment and provided a proposal.
- 10) 1100 hours MP contacted local company Transloading Environmental about the surplus PVC pipe on site. MP will meet with representative at ~1330 hours today.
- 11) 1130 hours Alheli Banos (EPA) on site to meet with Rosie (EPA).
- 12) 1330 to 1430 hours MP and JH assisted EPA (Rosie and Alheli) in distributing flyers to residents near project.
- 13) 1400 to ~ 1945 hours JW worked with Anguil and Alzeta in initial start-up of some components of the FTO. Will resume work on Thursday 4/26/07.
- 14) No dust monitoring performed today. No intrusive or surface disturbing work other than moving drums around with hand dolly. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

TRS (Subcontractor)

7:30 AM ~ 4:30 PM (1/2 hour lunch)

(1 Superintendent and 1 Technician)

Equipment: Hand tools

1. Paul and George continued with preparations and installation of drip system piping and installation of sensors in the TMP's in the ERH area.

EarthTech (Subcontractor)

0700 AM ~ 3:30 PM (1/2 hour lunch)

(1 Technician)

1. Working for John Wingate.

Work performed today by ERM and subcontractors on site and/or off site:

Jacob and Hefner provided two-man crew (Mark Williams and John Parkes) and operated the GW treatment system/exposition wells with the exception of DA-4. (Day 3)

Summary

0600 hrs On site System was found to be down due to compressor fail to restart / compressor alarm #3. Reset compressor and restarted system

0617 hrs GW system alarm PT-401 high psi. Bag filters clogged found both F-401/F-402 isolation valves are open. Changes all 5 filter bags (10 micron). Restarted system with F-402 isolated from system. (V-417 & V-419 closed)

0710 hrs Conducted 1st round of readings including PLC

0736 hrs MP met with crew and advised that bag filters were changed yesterday afternoon and also cleared compressor alarm PS-601 low pressure alarm restarted GW system

0836 hrs Neil from ERM on site

0908 hrs Conducted 2nd round of data from GW system

0930 hrs No system alarms yet/ system operations normal

1006 hrs Hung Fed/State notification signage on safety wall

1110 hrs Conducted 3rd round of data from GW system

1125 hrs John Parkes and Mark Williams started well vault inspection and pulse counter data collection (TN&A provided a water level meter for usage)

1306 hrs Inspected all 32 exposition wells with the exception of DAB-5, & DA-4. All well systems are functioning properly. DAB-5 was inaccessible due to truck (18 wheeler) being parked on it. DA-4 is offline (TN&A injection study)

1330 hrs Conducted final round of data from GW system

1415 End of shift- system operations normal- bag filters in F-401 still showing little back pressure. Talked with Dacre Bush of TN&A about data collection and collection points identification tags-checking to see if they are correct according to PI&Ds.

1426 Left site

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A. To be re-tested 4/23/07. **4/23/07 GW system and exposition wells** were turned on today to begin the 30-day O/M period. DA-12 does not leak. Will check in AM 4/24/07.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

4/20/07 P-502 would not run in Hand or Auto modes. PLC seems to be fine. Investigated today 4/23/07. Ball check valve appears to be sticking.

4/23/07 K-601 (Air compressor) shuts off automatically and sometimes will not turn back on without manual assistance. J&H to troubleshoot.

4/23/07 Caustic Tank T-901 was indicating low level alarms
As there was only 400 gallons of caustic delivered by ERM.

Work Check List

Observed During April 10, 2007 PLC Acceptance Check

Revised 4/25/07 1900 hours

1. Pipe Supports needed: Discharge from condensate pumps. Neil Coy (ERM) stopped at site 4/25/07 and said he would add one more piece of uni-strut closer to T-401.
2. Program HMI screen to match colors of P&ID Drawings. (Previously requested.)
3. H-201 leaks in bottom gasket. See drip marks on frame as evidence.
4. Tag needed on H-202 valves ("Hot").
5. DPIT/FE-101 is not reporting correctly on HMI screen. The pitot does not appear to be installed according to Dwyer Instruments recommendations and should be re-installed. (Currently installed in a tee)
6. Check potable water pipes on south wall by roll up door for vibration during use.
7. P-502 secondary containment sump pump failed second time, continued shakedown testing of this pump required. Or replace pump.
8. Observation port (1.25 inch) identified on "Approved for Construction" Drawing C-10C, for all condensate sumps, was not installed and is required. It was needed today to check water levels.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Added to list 4/24/07:

- 9. Lock out /tag out required for newly installed caustic fill line at T-901.
- 10. Brine tank leaks at hole located on side of tank closest to the floor.

Added to list 4/25/07:

- 11. Sample port tags at T-301/T-302 are in wrong positions. The correct identifications are written in marker pen on stainless steel valve near the tags. (SP-105, SP-106, SP-107 and SP-108).
- 12. T-601 auto-drain valve on bottom of tank (out of view) is leaking.
- 13. Valve adjacent to V-210 (on the line leading to holding tank for RC-201 on cooling tower pad) needs to be tagged out and labeled as "valve normally closed".
- 14. Discharge valve V-213 does not have tag.
- 15. Valves underneath the cooling tower need to be labeled/identified as "overflow /valve normally open" and "drain/ valve normally closed".
- 16. V-121 needs to open all the way it does not open all the way. It is currently locked in a partially open position.
- 17. Label holding tank for RC-201.
- 18. Secure overhead water line known as "FTO Blowdown" at the 90 Deg. Ell above TIT-402 and PI-405. Thrust shakes pipe unacceptably.
- 19. Compressor maintenance to improve frequent low pressure alarm and error signal on compressor readout. J&H crew are already aware and have maintenance scheduled.

For Fire Department Inspection:

- 20. Install a NAOH fire placard on outside of building at entrance to all 4 doors.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070426

Delivery Order #:06

Date: 4-26-2007

Weather: Mostly Sunny

Temp. (max & min): 60- 74

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0650 hours. Security was onsite. ERM and Jacob & Hefner on site. CLEVECO on site with 5 man crew and grading equipment. Safety meeting today was establishment of safe work zones with grading work and heavy equipment safety.
- 2) 0700 hours to 1530 hours Hector Cervantes (TN&A) and Dave Allen on site. Working in the ERH area injecting sodium lactate/sodium bromide solution in MW-27-90.
- 3) 0700 hours Bob Lien (Anguil) and Dave Bartz (Alzeta) on site to work on interface communications between PLC and FTO panel and to start up burner for FTO using B-301.
- 4) ~0730 hours Paul Bianco (TRS) and assistant George (TRS) on site.
- 5) 0800 hours John Wingate and John Hartley on site.
- 6) 0900 to 1530 hours MP ordering miscellaneous materials for JW and Edwin, and ordered a bulletin board for the EPA. Set up dust monitors and periodically checked on the CLEVECO grading crew.
- 7) ~1000 hours Rosie Caraway (EPA) on site.
- 8) 0800 to 1930 hours JW, Bob Lien (Anguil) and Dave Bartz (Alzeta) worked on the FTO control panel and PLC.
- 9) 1200 hrs MP made arrangements to meet with United Fence on Monday 4/30/07.
- 10) 1500 hrs Neil Coy and MP reviewed punchlist activities completed today.
- 11) 1530 to 1600 hrs JW, RC, JH and TG conducted a conference call to review status of operations.
- 12) Dust monitoring performed today. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | 0.931 | 0.000 |
| Upgradient (1010) | 5.942 | 0.000 |

2. Work performed by subcontractors on site and/or off site (include a complete description):

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

7:00 AM ~ 4:00 PM (1/2 hour lunch)

(1 Superintendent two (2) field technicians)

Equipment: F-350, Hand tools, laser level

1. Ken Clevenger supervised activities. Two (2) technicians worked on the perimeter of the areas to be graded sorting out large cobbles, rocks, debris and hand graded around the condensate sumps.
2. Photos taken to document work.

Bobcat Master (Subcontractor for CLEVECO)

7:00 AM ~ 4:00 PM (1/2 hour lunch)

(Two (2) Equipment Operators)

Equipment: 8 CY Dump truck, trailer, Bobcat with attachments, water truck, hand tools

3. Crew on site. Tailgate meeting with MP. One (1) operator on Bobcat and one (1) operator used water truck and dump truck.
4. Grading is approximately 40% completed.

TRS (Subcontractor)

7:30 AM ~ 4:30 PM (1/2 hour lunch)

(1 Superintendent and 1 Technician)

Equipment: Hand tools

1. Paul and George completed installation of drip system piping in the ERH area.

EarthTech (Subcontractor)

07:00 AM ~ 3:30 PM (1/2 hour lunch)

(1 Technician)

1. Working for John Wingate.

Work performed today by ERM and subcontractors on site and/or off site:

Jacob and Hefner provided two-man crew (Mark Williams and John Parkes) and operated the GW treatment system/exposition wells with the exception of DA-4. (Day 4)

Summary

0556 hrs On site found the system off due to the air compressor in alarm #3. Cleared alarm at air compressor panel and restarted PLC and GW system.

0640 hours GW system shut down on PI-401 GW pump outlet high pressure alarm. Changed bag filters in F-401 and F0402 with 10 micron bags. F-402 put online with F-401.

0715 hours Collected first round of data from GW system

0730 hours Met with MP (TN&A) and discussed ERM punchlist. Began addressing items on punchlist. Item #3 Checked, inspected and tightened all bulkhead bolts on heat exchanger. Item #7 Check valve V-504 sticks and not sure it will work in vertical position. New valve will be purchased today and will be used to replace the valve. Will be installed in horizontal position. Item #2 Called Mike Ebner to request the colors be changed on PLC system flow paths per JW (TN&A) direction. Should be completed today. Item #11 Tags were corrected per punch list directions.

Item #12 The installation of the fittings and components were not tightened to seal from leaks. Tightened all fittings, valves and auto drain components. Item #9 Installed combo lock (5050) on fill cap to prevent unauthorized entry to fill line of caustic tank. Tag will be installed once ERM purchases it. Item #19 Compressor manufacturer representative will be on site 5/1/07 to troubleshoot and correct problem.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

0910 hrs Collected second round of data from GW system
0929 hrs Continued on punch list items. Item #5 Met with JW to determine new location for DPIT/FE-101 pitot tube. JW assigned new location and pitot tube was relocated and tubing re-connected.
1040 hrs System shut down on air compressor alarm #3. Restarted GW system again.
1110 Collected third round of data from GW system.
1130 Went to pickup bag filters and replaced ball check valves as requested by JW. The CPVC V-450 check was not working in the vertical position so the ball was removed and a replacement check valve will be installed in the horizontal position. An additional check valve was placed in the condensate tank T-201 discharge line above the entrance to the 4" sewer discharge line. A replacement check valve for V-504 was purchased to correct the failure of the original valve. It will be installed horizontally not vertical as the existing V-504.
1236 hrs Compressor fails again same alarm #3. Reset air compressor and restarted GW system.
1318 Collected fourth round of data from GW system.
1330 hrs Installed replacement valve V-405 and additional T-201 discharge line check valve to stop back flow water pressure from sewer discharge.
1400 hrs M. Williams leaves for the day. John Parkes will remain on site for a few hours more.
1620 hrs John Parkes leaves site for the day. GW system was turned off to allow PVC glue to cure for the check valves installed.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A. To be re-tested **4/23/07**. **4/23/07 GW system and exposition wells** were turned on today to begin the 30-day O/M period. DA-12 does not leak. Will check in AM **4/24/07**.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

4/20/07 P-502 would not run in Hand or Auto modes. PLC seems to be fine. Investigated today **4/23/07**. Ball check valve appears to be sticking.

4/23/07 K-601 (Air compressor) shuts off automatically and sometimes will not turn back on without manual assistance. J&H to troubleshoot.

4/23/07 Caustic Tank T-901 was indicating low level alarms

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

As there was only 400 gallons of caustic delivered by ERM.

Work Check List
Observed During April 10, 2007 PLC Acceptance Check
Revised 4/26/07 1900 hours
Items in red not completed

1. Pipe Supports needed: Discharge from condensate pumps. Neil Coy (ERM) stopped at site 4/25/07 and said he would add one more piece of uni-strut closer to T-401.
2. Program HMI screen to match colors of P&ID Drawings. (Previously requested.)
3. H-201 leaks in bottom gasket. See drip marks on frame as evidence. Neil advised he corrected 4/26/07.
4. Tag needed on H-202 valves ("Hot"). "HOT" painted on side of H-202 4/26/07.
5. DPIT/FE-101 is not reporting correctly on HMI screen. The pitot does not appear to be installed according to Dwyer Instruments recommendations and should be re-installed. (Currently installed in a tee) Relocated by J&H 4/26/07.
6. Check potable water pipes on south wall by roll up door for vibration during use. OK per JW 4/26/07 pipes are at 10'6" and are adequately supported.
7. P-502 secondary containment sump pump failed second time, continued shakedown testing of this pump required. Or replace pump. Neil advised the problem was corrected. Not witnessed 4/26/07 will ask Neil to show/prove on 4/27/07.
8. Observation port (1.25 inch) identified on "Approved for Construction" Drawing C-10C, for all condensate sumps, was not installed and is required. It was needed today to check water levels.

Added to list 4/24/07:

9. Lock out /tag out required for newly installed caustic fill line at T-901. Completed 4/26/07.

10. Brine tank leaks at hole located on side of tank closest to the floor.

Added to list 4/25/07:

11. Sample port tags at T-301/T-302 are in wrong positions. The correct identifications are written in marker pen on stainless steel valve near the tags. (SP-105, SP-106, SP-107 and SP-108). Completed 4/26/07.
12. T-601 auto-drain valve on bottom of tank (out of view) is leaking. Completed 4/26/07.
13. Valve adjacent to V-210 (on the line leading to holding tank for RC-201 on cooling tower pad) needs to be tagged out and labeled as "valve normally closed".
14. Discharge valve V-213 does not have tag.
15. Valves underneath the cooling tower need to be labeled/identified as "overflow /valve normally open" and "drain/ valve normally closed".
16. V-121 needs to open all the way it does not open all the way. It is currently locked in a partially open position.
17. Label holding tank for RC-201.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

18. Secure overhead water line known as "FTO Blowdown" at the 90 Deg. Ell above TIT-402 and PI-405. Thrust shakes pipe unacceptably.
19. Compressor maintenance to improve frequent low pressure alarm and error signal on compressor readout. J&H crew are already aware and have maintenance scheduled. **Manufacturer's representative scheduled for Tuesday 5/1/07.**
20. Seal all building penetrations (electrical and piping penetrations).

For Fire Department Inspection:

21. Install a NAOH fire placard on outside of building at entrance to all 4 doors.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: T N & Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #: 20070427

Delivery Order #:06

Date: 4-27-2007

Weather: Mostly Sunny

Temp. (max & min): 60- 85

Rainfall (in): .00

1. Work performed today by primary contractor on site and/or off site:

- 1) MP (TN&A) on site at 0650 hours. Security was onsite. ERM and Jacob & Hefner on site. CLEVECO on site with 5 man crew and grading equipment. CLEVECO mobilized a backhoe JD 210 LE with box grader. Safety meeting today was again grading work in the area around the TC and heavy equipment safety.
- 2) 0700 hours to 1530 hours Hector Cervantes (TN&A) and Dave Allen on site. Working in the ERH area injecting sodium lactate/sodium bromide solution in MW-27-90. Today may be last day for injections to well MW-27-90.
- 3) 0700 hours Edwin (EarthTech) on site for FTO training and miscellaneous technical support for John Wingate.
- 4) 0700 hours Bob Lien (Anguil) on site to continue to work on interface communications between PLC and FTO panel and to start up burner for FTO using B-301. Attempting to start LRB's on automatic mode.
- 5) ~0730 hours Paul Bianco (TRS) and assistant George (TRS) on site. Paul and George left the site ~ 0930 hours.
- 6) ~0745 hrs John Wingate on site met with MP and discussed status of operations/plans for next three days.
- 7) ~0800 hrs Dave Bartz (Alzeta) on site.
- 8) 1320 hours failure Air Compressor Alarm #3. Called Hector over and showed him how to reset compressor and then restart PLC GW component.
- 9) 1330 to 1800 hours Dave Bartz, Bob Lien, Edwin and MP spent the day firing up the burner for the FTO with both LRP's and B-301 running. For approximately one hour some vapors were pulled from the VE-2 vapor manifold and run through the system. MP, BL, Edwin and DB all leave site at 1800 hours.
- 10) Dust monitoring performed today. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mq/m3)</u> | <u>Max (mq/m3)</u> |
| Downgradient (1135) | 0.000 | 2.245 |
| Upgradient (1010) | 0.000 | 3.452 |

2. Work performed by subcontractors on site and/or off site (include a complete description):

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

7:00 AM ~ 4:00 PM (1/2 hour lunch)

(1 Superintendent two (2) field technicians)

Equipment: JD 210 LE Box grader, F-350, Hand tools, laser level

1. Ken Clevenger mobilized a box grader (JD 210 LE).
2. Photos taken to document work.

Bobcat Master (Subcontractor for CLEVECO)

7:00 AM ~ 4:00 PM (1/2 hour lunch)

(Two (2) Equipment Operators)

Equipment: 8 CY Dump truck, trailer, Bobcat with attachments, water truck, hand tools

3. Crew on site. Tailgate meeting with MP. One (1) operator on Bobcat and box grader (split time between the two pieces of equipment) and one (1) operator used water truck and dump truck. (split time between the two pieces of equipment)
4. Grading is approximately 80% completed.

TRS (Subcontractor)

7:30 AM ~ 9:30 AM

(1 Superintendent and 1 Technician)

Equipment: Hand tools

1. Paul and George stopped at site and secured their work area. Left site at ~ 0930 hrs. Met with MP and advised of return schedule of 5/14/07.

EarthTech (Subcontractor)

07:00 AM ~ 3:30 PM (1/2 hour lunch)

(1 Technician)

1. Working for John Wingate.

Work performed today by ERM and subcontractors on site and/or off site:

Neil Coy (ERM) on site 0700 hrs to 1530 hrs to supervise J&H and work on punchlist items.

Jacob and Hefner provided two-man crew (Mark Williams and John Parkes) and operated the GW treatment system/exposition wells with the exception of DA-4. (Day 4)

Note: Summary of Jacob & Hefner's daily log will be included as an attachment to this report beginning with today's report. Hours are as detailed on the Jacob & Hefner report attached.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. 4/17/07 DA-12 regulator was replaced with spare provided by TN&A. To be re-tested 4/23/07. 4/23/07 GW system and exposition wells were turned on today to begin the 30-day O/M period. DA-12 does not leak. Will check in AM 4/24/07.

4/16/07 Brine tank for water filters is overflowing onto floor. Problem needs to be evaluated and corrected.

4/20/07 P-502 would not run in Hand or Auto modes. PLC seems to be fine. Investigated today 4/23/07. Ball check valve appears to be sticking.

4/23/07 K-601 (Air compressor) shuts off automatically and sometimes will not turn back on without manual assistance. J&H to troubleshoot.

4/23/07 Caustic Tank T-901 was indicating low level alarms
As there was only 400 gallons of caustic delivered by ERM.

Work Check List

Observed During April 10, 2007 PLC Acceptance Check

Revised 4/27/07 1500 hours

1. Pipe Supports needed: Discharge from condensate pumps. Neil Coy (ERM) stopped at site 4/25/07 and said he would add one more piece of uni-strut closer to T-401. Completed 4/27/07.
2. Program HMI screen to match colors of P&ID Drawings. (Previously requested.) Mike Ebner working on 4/26/07 and 4/27/07. JW to approve Monday 4/30/07
3. H-201 leaks in bottom gasket. See drip marks on frame as evidence. Neil advised he corrected 4/26/07.
4. Tag needed on H-202 valves ("Hot"). "HOT" painted on side of H-202 4/26/07.
5. DPIT/FE-101 is not reporting correctly on HMI screen. The pitot does not appear to be installed according to Dwyer Instruments recommendations and should be re-installed. (Currently installed in a tee) Relocated by J&H 4/26/07.
6. Check potable water pipes on south wall by roll up door for vibration during use. OK per JW 4/26/07 pipes are at 10'6" and are adequately supported.
7. P-502 secondary containment sump pump failed second time, continued shakedown testing of this pump required. Or replace pump. Neil advised the problem was corrected. Not witnessed 4/26/07 will ask Neil to show/prove on 4/27/07. Pump P-502 works but there seems to be a problem with the check valves on the 2" line to the T-402 as sometimes there is flow and sometimes there is not flow when pump is put in hand mode. Auto mode has not been achieved yet (sump not full).
8. Observation port (1.25 inch) identified on "Approved for Construction" Drawing C-10C, for all condensate sumps, was not installed and is required. It was needed to check water levels.

Added to list 4/24/07:

9. Lock out /tag out required for newly installed caustic fill line at T-901. Completed 4/26/07.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

10. Brine tank leaks at hole located on side of tank closest to the floor. Ed Tung must be contacted by ERM.

Added to list 4/25/07:

11. Sample port tags at T-301/T-302 are in wrong positions. The correct identifications are written in marker pen on stainless steel valve near the tags. (SP-105, SP-106, SP-107 and SP-108). **Completed 4/26/07.**

12. T-601 auto-drain valve on bottom of tank (out of view) is leaking. **Completed 4/26/07.**

13. Valve adjacent to V-210 (on the line leading to holding tank for RC-201 on cooling tower pad) needs to be tagged out and labeled as "valve normally closed".

14. Discharge valve V-213 does not have tag.

15. Valves underneath the cooling tower need to be labeled/identified as "overflow /valve normally open" and "drain/ valve normally closed".

16. V-121 needs to open all the way it does not open all the way. It is currently locked in a partially open position.

17. Label holding tank for RC-201. **Completed 4/27/07.**

18. Secure overhead water line known as "FTO Blowdown" at the 90 Deg. Ell above TIT-402 and PI-405. Thrust shakes pipe unacceptably. **Completed 4/27/07.**

19. Compressor maintenance to improve frequent low pressure alarm and error signal on compressor readout. J&H crew are already aware and have maintenance scheduled. **Manufacturer's representative scheduled for Tuesday 5/1/07.**

20. Seal all building penetrations (electrical and piping penetrations).

For Fire Department Inspection:

21. Install a NAOH fire placard on outside of building at entrance to all 4 doors.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative

| RAPID RESPONSE QUALITY CONTROL DAILY REPORT | | |
|---|---------------------------|--------------------|
| Contractor's Name: T N & Associates | | |
| Contract Number: DACA45-00-D-0006 | | |
| Site Name & Location: Pemaco; Maywood, CA | | |
| <p style="text-align: center;">INSTRUCTIONS</p> <p>The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.</p> | | |
| Report #: 20070430 | Delivery Order #:06 | Date: 4-30-2007 |
| Weather: Partly Sunny | Temp. (max & min): 61- 75 | Rainfall (in): .00 |
| <p>1. Work performed today by primary contractor on site and/or off site:</p> <ol style="list-style-type: none"> 1) MP (TN&A) on site at 0705 hours. Security was onsite. ERM and Jacob & Hefner on site. Safety meeting today was conducted by Jacob and Hefner personnel and covered the topic of heavy equipment usage in the immediate area outside the TC Building, blind spots, etc. Grading subcontractors for TN&A not on site today. LFR was on site working just outside the western man door (door to control room). 2) 0700 hours Bob Lien (Anguil) on site to continue to work on FTO and preparing for FTO training sessions for Tuesday/Wednesday. (5/1/07 and 5/2/07) 3) 0730 hrs to ~1530 hrs Dave Allen (TN&A) on site to begin decommissioning of the EISB Pilot study injection system components. Hector Cervantes (TN&A) given the day off as he worked on Saturday/Sunday monitoring the GW system. 4) 0800 hrs LFR on site. Met with MP to discuss their operations and requirements. They are expanding the WW Henry compound and will pour concrete later in the week. 5) 0900 hrs MP met with Mark Williams and Neil Coy to review outstanding 4.10.07 checklist items. J&H put 500 lbs of rock salt into the brine tank and installed plug in the open hole that had been leaking. 6) 1100 hours Rick Lainhart on site to meet with MP, JW and CLEVECO. 7) 1100 hrs John Wingate on site and joined meeting. Agreement on type of stone to be used was made (Class II 3/4"). 8) 1130 hrs United Fence (Sergio) on site to meet with MP. Discussed details concerning fence options on 60th Street and also reviewed current site conditions. Discussed tentative schedule for installation of fence. JW sent revised drawing to John Hartley (USACE) for his review. 9) 1400 hrs met with Neil Coy and Mark Williams to review status of punchlist items. P-502 still does not work consistently. Crew advised that Tuesday 5/1/07 they would continue to troubleshoot and switch out the existing pump with the spare pump and proceed from there. 10) 1430 to 1730 hrs JW and Bob (Anguil) worked on FTO items and preparations for starting up system Tuesday. 11) Dust monitoring not performed today. The monitoring schedule includes 2 units placed at the following locations: 1) Upgradient - north side of ERH area, and 2) Downgradient - Northwest corner of Pemaco office trailer. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below: | | |

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

| Area (Unit #) | Daily | |
|---------------------|--------------------|--------------------|
| | <u>TWA (mg/m3)</u> | <u>Max (mg/m3)</u> |
| Downgradient (1135) | NA | NA |
| Upgradient (1010) | NA | NA |

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Clevenger Construction, Inc. (General subcontractor)

11:30 AM ~ 2:00 PM (1/2 hour lunch)

(1 Superintendent two (2) field technicians)

Equipment: JD 210 LE Box grader, F-350, Hand tools, laser level

(No equipment was used today)

1. Ken Clevenger met with MP, Rick Lainhart and John Wingate to go over details for grading this week.

Work performed today by ERM and subcontractors on site and/or off site:

Neil Coy (ERM) on site 0700 hrs to 1430 hrs to supervise J&H and work on punchlist items.

Jacob and Hefner provided two-man crew (Mark Williams and John Parkes) and operated the GW treatment system/exposition wells with the exception of DA-4. (Day 6)

Note: Summary of Jacob & Hefner's daily log will be included as an attachment to this report beginning with today's report. Hours are as detailed on the Jacob & Hefner report attached.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:
None

5. Type and results of inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Deficiencies (Ongoing list and newly identified)

From 3/15/07 Leak at steel nipple on bottom of T-404 at flange. During PM run-up of GW treatment system the leak was not visible during 1.5 hours of operation. Was tested during GW startup **4/10/07** did not see any leaks. Will leave on the list until system runs for a few days.

From 4/4/07 PLC reporting function does not set up. There are other items from carbon mode testing/PLC acceptance walk through (not completed) currently being identified that are being reported on a list generated by John Wingate to be provided 4/5/07. See below:

PLC Acceptance Test notes from 4/10/07

John Wingate will provide a detailed list of comments from the activities and testing witnessed today in a separate document.

4/10/07 DA-12 air leaking in well vault again. **4/17/07 DA-12** regulator was replaced with spare provided by TN&A. To be re-tested 4/23/07. **4/23/07 GW system and exposition wells** were turned on today to begin the 30-day O/M period. DA-12 does not leak. Will check in AM 4/24/07.

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

4/16/07 Brine tank for water filters is overflowing onto floor.
Problem needs to be evaluated and corrected.

4/20/07 P-502 would not run in Hand or Auto modes. PLC seems to
be fine. Investigated today 4/23/07. Ball check valve appears to be
sticking.

4/23/07 K-601 (Air compressor) shuts off automatically and sometimes
will not turn back on without manual assistance. J&H to troubleshoot.

4/23/07 Caustic Tank T-901 was indicating low level alarms
As there was only 400 gallons of caustic delivered by ERM.

Work Check List

Observed During April 10, 2007 PLC Acceptance Check

Revised 4/30/07 1500 hours

Items in red not completed

1. Pipe Supports needed: Discharge from condensate pumps. **Completed 4/27/07.**
2. Program HMI screen to match colors of P&ID Drawings. (Previously requested.)
Mike Ebner working on 4/26/07 and 4/27/07. JW to approve Monday 4/30/07
3. H-201 leaks in bottom gasket. See drip marks on frame as evidence. **Neil advised he corrected 4/26/07.**
4. Tag needed on H-202 valves ("Hot"). **"HOT" painted on side of H-202 4/26/07.**
5. DPIT/FE-101 is not reporting correctly on HMI screen. The pitot does not appear to be installed according to Dwyer Instruments recommendations and should be re-installed. (Currently installed in a tee) **Relocated by J&H 4/26/07.**
6. Check potable water pipes on south wall by roll up door for vibration during use. **OK per JW 4/26/07 pipes are at 10'6" and are adequately supported.**
7. P-502 secondary containment sump pump failed second time, continued shakedown testing of this pump required. Or replace pump. **Neil advised the problem was corrected. Not witnessed 4/26/07 will ask Neil to show/prove on 4/27/07. Pump P-502 works but there seems to be a problem with the check valves on the 2" line to the T-402 as sometimes there is flow and sometimes there is not flow when pump is put in hand mode. Pump would not work consistently again today 4/30/07. Crew will continue to troubleshoot Tuesday 5/1/07.**
8. Observation port (1.25 inch) identified on "Approved for Construction" Drawing C-10C, for all condensate sumps, was not installed and is required. It was needed to check water levels. **Completed 4/30/07.**

Added to list 4/24/07:

9. Lock out /tag out required for newly installed caustic fill line at T-901. **Completed 4/26/07.**
10. Brine tank leaks at hole located on side of tank closest to the floor. Ed Tung must be contacted by ERM. **Completed 4/30/07.**

Added to list 4/25/07:

11. Sample port tags at T-301/T-302 are in wrong positions. The correct identifications are written in marker pen on stainless steel valve near the tags. (SP-105, SP-106, SP-107 and SP-108). **Completed 4/26/07.**
12. T-601 auto-drain valve on bottom of tank (out of view) is leaking. **Completed 4/26/07.**

RAPID RESPONSE QUALITY CONTROL DAILY REPORT CONT'D.

13. Valve adjacent to V-210 (on the line leading to holding tank for RC-201 on cooling tower pad) needs to be tagged out and labeled as "valve normally closed". **Completed 4/30/07.**
14. Discharge valve V-213 does not have tag. **Completed 4/30/07.**
15. Valves underneath the cooling tower need to be labeled/identified as "overflow /valve normally open" and "drain/ valve normally closed". **Completed 4/30/07.**
16. V-121 needs to open all the way it does not open all the way. It is currently locked in a partially open position. **Mark Williams took valve apart and showed MP that it seats fully. Completed 4/30/07.**
17. Label holding tank for RC-201. **Completed 4/27/07.**
18. Secure overhead water line known as "FTO Blowdown" at the 90 Deg. Ell above TIT-402 and PI-405. Thrust shakes pipe unacceptably. **Completed 4/27/07.**
19. Compressor maintenance to improve frequent low pressure alarm and error signal on compressor readout. J&H crew are already aware and have maintenance scheduled. **Manufacturer's representative scheduled for Tuesday 5/1/07.**
20. Seal all building penetrations (electrical and piping penetrations). **Completed 4/30/07.**

For Fire Department Inspection:

21. **Install a NAOH fire placard on outside of building at entrance to all 4 doors.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

Mark Prostko

Contractor's designated quality control representative